Final Review #3 - Circles

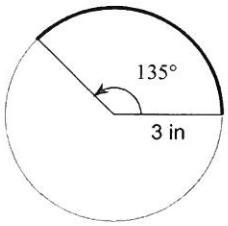
Name_____

Geometry

Date_____ Period____

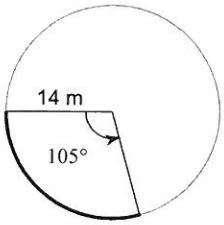
Find the length of each arc.

1)



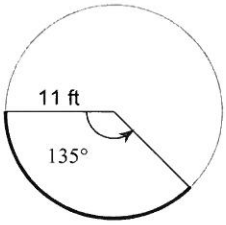
$\frac{9\pi}{4}$ in

2)



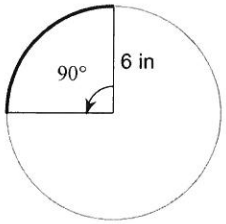
$\frac{49\pi}{6}$ m

3)



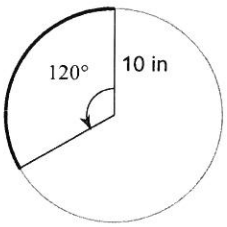
$\frac{33\pi}{4}$ ft

4)



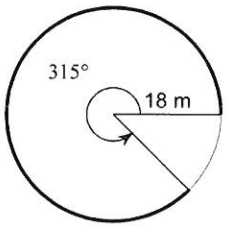
3π in

5)



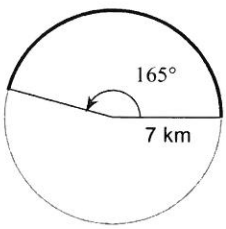
$\frac{20\pi}{3}$ in

6)



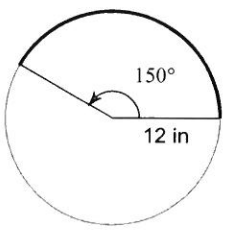
$\frac{63\pi}{2}$ m

7)



$\frac{77\pi}{12}$ km

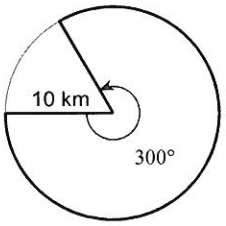
8)



10π in

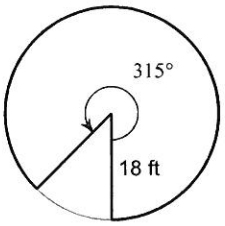
Find the area of each sector.

9)



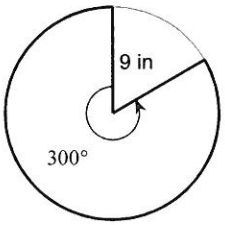
$\frac{250\pi}{3}$ km²

10)



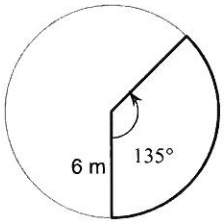
$\frac{567\pi}{2}$ ft²

11)



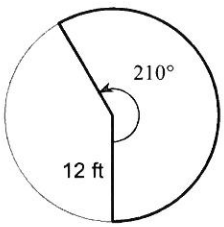
$\frac{135\pi}{2}$ in²

12)



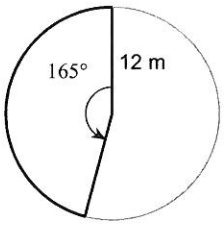
$\frac{27\pi}{2}$ m²

13)



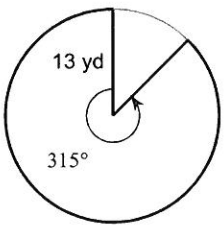
84π ft²

14)



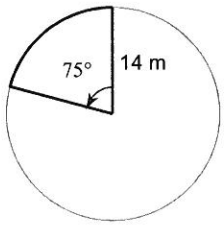
66π m²

15)



$\frac{1183\pi}{8}$ yd²

16)



$\frac{245\pi}{6}$ m²